

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE		PAGE 1 OF 1 PAGES		
2. AMENDMENT/MODIFICATION NO. 0005		3. EFFECTIVE DATE 9/2/04		4. REQUISITION/PURCHASE REQ. NO. W25PHS-4061-7415		5. PROJECT NO. (If applicable)	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
U.S. Army Engineer District, Philadelphia Wanamaker Building, 100 Penn Square East Philadelphia, Pennsylvania 19107-3390				Attn: Michelle Bertoline, 215-656-6914			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(√)	9A. AMENDMENT OF SOLICITATION NO. W912BU-04-B-0014
		×	9B. DATED (SEE ITEM 11) 25 June 2004
			10A. MODIFICATION OF CONTRACTS/ORDER NO.
			10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
Beachfill, Delaware Coast from Henlopen to Fenwick Island, Rehoboth Beach & Dewey Beach, Delaware

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**THIS AMENDMENT DOES NOT EXTEND THE BID OPENING DATE OF 8 SEPTEMBER 2004 AT 11:00 A.M.**

Please indicate receipt of this Amendment on Standard Form 1442 (SOLICITATION, OFFER AND AWARD) as Amendment Number 0005. Failure to acknowledge all Amendments may be cause for rejection of your bid.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

14. DESCRIPTION OF AMENDMENT (continued)

a. TECHNICAL SPECIFICATIONS:

(1) Section 02446 - SAND FENCE AND DUNE GRASS: Please delete this section in its entirety and substitute the new section of the same number, annotated Amendment No. 0005, attached hereto.

b. Please indicate receipt of this amendment on Standard Form 1442 (SOLICITATION, OFFER, AND AWARD) as Amendment No.0005. Failure to acknowledge all amendments may be cause for rejection of the bid.

SECTION 02446

SAND FENCE AND DUNE GRASS

PART 1 GENERAL

1.1 SCOPE OF SECTION

The work covered by this section consists of furnishing all labor, materials, and equipment, and performing all operations required for the erection of sand fence and the planting and seeding of dune grass, as specified herein and shown on the drawings.

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. See Section 01330 SUBMITTAL PROCEDURES for all procedures related to the submission of submittals.

The following shall be submitted:

SD-07 Certificates

Sand Fence. Dune Grass Plants and Seed.

Statement signed by an official authorized to certify on behalf of the manufacturer of a product, system or material, attesting that the product, system or material meets specified requirements. The statement must be dated after the award of the contract, must state the Contractor's name and address, must name the project and location, and must list the specific requirements which are being certified.

PART 2 PRODUCTS

2.1 SAND FENCE

The slats shall be No. I grade of White Cedar, Spruce, Douglas Fir or other approved species of wood substantially free from excessive wane, knots, decay, broken or short slats and unsquare ends. The slats shall be a full 3/8" thick by a full 1-1/2" wide by 4' high and unpainted. The wire shall be not less than 14 gauge with a zinc coating of not less than 0.3 oz./square foot of uncoated wire surface and it shall have a tensile strength of 65,000 to 80,000 psi. The slats shall be spaced 2 1/4" apart plus or minus 1/4". There shall not be less than 2 twists (one twist equals 360 degrees) of the wire between the slats. The five strands of wire shall be placed 10" apart and 4" from each end. The wire shall be woven in such a manner that the zinc coating shall not be removed nor the strength of the steel impaired. The fence shall be stretched after weaving and before being placed in rolls 50' in length.

## 2.2 Fastenings

*Staples shall conform to ASTM F 1667, Type IV, 16 gauge, Style 3, having a minimum length of 1-1/2 inches and zinc-coated conforming to ASTM A 641, Class 3 coating.*

## 2.3 DUNE GRASS

### 2.3.1 Plants

Plants shall be the Cape variety of American Beachgrass (*Ammophila breviligulata*). Each plant shall consist of two or more healthy culms. Plants which are damaged will not be accepted.

### 2.3.2 Seed

Seed shall be the Atlantic variety of coastal panicgrass (*Panicum amarum*).

### 2.3.3 Fertilizer

Fertilizer shall be a controlled release form (5-6 month release) that supplies 60-80 pounds of Nitrogen per acre and 30-40 pounds of Phosphorous per acre in a one time application. Fertilizer shall be granular, uniform in composition, free-flowing, and suitable for application with approved equipment.

## PART 3 EXECUTION

### 3.1 SAND FENCE

The sand fence shall be erected in such a manner as to accumulate wind blown sand and thereby aid in the formation of a dune. Fence shall be erected in the locations and along the lines shown on the drawings. Posts shall be provided at a maximum spacing of 8 feet and shall be driven 4 feet into the ground. Fence shall be secured to posts with bottom portion of fence touching the ground surface. Fence shall be stapled to posts at the same locations as the picket bindings.

### 3.2 DUNE GRASS

#### 3.2.1 General

The dunes shall be fertilized, planted, and seeded with beachgrass and panicgrass after construction of the dune has been completed.

#### 3.2.2 Surface Preparation

All surfaces to be planted shall be graded with no sharp depressions greater than 2 inches in depth. All compacted areas shall be scarified to a depth of 3 inches prior to planting.

#### 3.2.3 Planting Method

##### 3.2.3.1 Beachgrass

One beachgrass plant consisting of two or more culms shall be planted per hole. All beachgrass plants shall be in a dormant state at the time of planting. The plants shall be placed at the density indicated on the

contract drawings. The controlled release fertilizer shall be applied (in a one-time application) by broadcasting over planted and seeded areas at a rate and grade formulation that supplies the specified fertilizer at the time of planting or within 30 days after planting. Care shall be exercised to avoid trampling and damaging beachgrass during planting and fertilizer application.

#### 3.2.3.2 *Panicgrass*

*The dunes shall seeded with panicgrass from the centerline of the dune to the landside dune toe. The panicgrass shall be seeded at a rate of 10 pounds of seed (pure live seed) per acre. Seeds shall be planted 2.0 to 2.5 inches deep either by hand or by a mechanically operated drill or seeder. The panicgrass may be seeded prior to planting beachgrass. If the panicgrass is seeded after planting beachgrass, the Contractor shall avoid damaging the beachgrass plantings.*

#### 3.2.4 Planting Season

Beachgrass shall only be planted between 15 December and 1 April, under nonfrozen soil conditions. Panicgrass seeds shall only be planted between 15 February and 1 April.

#### 3.2.5 Care and Protection

The Contractor shall be responsible for proper care and protection of all planted areas. At least 80% plant survival is required in areas at the end of the first growing season. Areas having less than an 80% survival rate shall be replanted and fertilized by the Contractor.

### 3.3 MEASUREMENT AND PAYMENT

#### 3.3.1 Dune Grass

The work specified in this section for planting and seeding of dune grass will not be measured for payment. Payment for this work will be made at the contract lump sum price for "Dune Grass," Bid Item No. 7.

#### 3.3.2 Sand Fence

The work specified in this section for sand fence, installed parallel to the dune centerline, will be measured for payment by the linear footage of sand fence installed. Payment for this work will be made at the contract unit price for "Sand Fence," Bid Item No. 8. (All sand fence incidental to construction of dune crossovers shall be included in the unit prices for those dune crossovers.)

-- End of Section --